

Title (en)

Mounting device for a clean room, in particular for grid ceiling

Title (de)

Befestigungsvorrichtung, insbesondere Rasterdecke, für Reinnräume

Title (fr)

Dispositif de fixation, en particulier d'un plafond suspendu, pour une salle blanche

Publication

EP 0783092 A3 20000719 (DE)

Application

EP 96120222 A 19961217

Priority

DE 29600210 U 19960108

Abstract (en)

[origin: US5809730A] A mounting system for mounting filter-fan units in a clean room has support rails arranged at the ceiling of the clean room in a grid structure that provides receiving openings for the filter-fan units. The support rails have support surfaces for the filter-fan units, wherein opposing ones of the support surfaces define the receiving openings. Support members are placed onto the support surfaces so as to project into the receiving openings. The receiving openings have at least one of the support members placed onto at least two opposing ones of the support surfaces, respectively, for supporting the filter-fan units thereon.

IPC 1-7

F24F 13/28; **F24F 3/16**

IPC 8 full level

F16B 1/02 (2006.01); **E04D 13/03** (2006.01); **F24F 3/16** (2006.01); **F24F 7/06** (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP KR US)

F24F 3/167 (2021.01 - KR); **F24F 13/28** (2013.01 - EP KR US); **F24F 2221/14** (2013.01 - KR)

Citation (search report)

- [XA] EP 0169354 A2 19860129 - KLIMA & KAELTE GMBH [DE]
- [X] DE 3715213 A1 19881117 - FLAEKT AB [SE]
- [A] US 5279632 A 19940118 - DECKER DONALD W [US], et al
- [A] US 3708927 A 19730109 - COHEN S

Cited by

US6273926B1; EP0937951A2; WO9902927A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

US 5809730 A 19980922; AT E264485 T1 20040415; CN 100380062 C 20080409; CN 1163973 A 19971105; DE 29600210 U1 19960229; DE 59610980 D1 20040519; EP 0783092 A2 19970709; EP 0783092 A3 20000719; EP 0783092 B1 20040414; ES 2215185 T3 20041001; JP H09196017 A 19970729; KR 100448678 B1 20041120; KR 970059604 A 19970812; MY 127702 A 20061229; TW 320668 B 19971121

DOCDB simple family (application)

US 78046497 A 19970108; AT 96120222 T 19961217; CN 97102125 A 19970106; DE 29600210 U 19960108; DE 59610980 T 19961217; EP 96120222 A 19961217; ES 96120222 T 19961217; JP 32697 A 19970106; KR 19970000185 A 19970107; MY PI9700061 A 19970107; TW 85115617 A 19961218